

3. (Amended) An antimicrobial use composition comprising:  
a combination of peroxyacetic acid and peroxyoctanoic acid effective for killing  
on the surface of a fruit or vegetable pathogenic microorganism comprising *Escherichia coli* O157:H7, *Listeria monocytogenes*, *Salmonella javiana*, or mixture thereof;  
B2 the combination comprising about 10 to about 150 ppm acetic acid, about 5 to  
about 40 ppm octanoic acid, about 4 to about 20 ppm hydrogen peroxide, about 5 to  
about 50 ppm peroxyacetic acid, about 2 to about 25 ppm peroxyoctanoic acid, and about  
0.2 to about 2.5 ppm chelating agent.

6. (Amended) An antimicrobial concentrate composition comprising:  
a combination of peroxyacetic acid and peroxyoctanoic acid effective for killing  
on the surface of a fruit or vegetable pathogenic microorganism comprising *Escherichia coli* O157:H7, *Listeria monocytogenes*, *Salmonella javiana*, or mixture thereof;  
B3 the combination comprising an equilibrium mixture resulting from a composition  
of about 50 to about 60 weight-% acetic acid, about 10 to about 20 weight-% octanoic  
acid, about 5 to about 15 weight-% hydrogen peroxide, and about 0.3 to about 1 weight-  
% chelating agent.

8. (Amended) An antimicrobial concentrate composition comprising:  
a combination of peroxyacetic acid and peroxyoctanoic acid effective for killing  
on the surface of a fruit or vegetable pathogenic microorganism comprising *Escherichia coli* O157:H7, *Listeria monocytogenes*, *Salmonella javiana*, or mixture thereof;  
B4 the combination comprising about 50 to about 60 weight-% acetic acid, about 10  
to about 20 weight-% octanoic acid, about 5 to about 15 weight-% hydrogen peroxide,  
and about 0.3 to about 1 weight-% chelating agent.

Please add and consider claims 31-34 as follows.

31. (New) An aqueous flume for washing or transporting produce comprising:  
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a combination of peroxyacetic acid and peroxyoctanoic acid effective for killing on the surface of a fruit or vegetable pathogenic microorganism comprising *Escherichia coli* O157:H7, *Listeria monocytogenes*, *Salmonella javiana*, or mixture thereof;

the combination comprising about 10 to about 150 ppm acetic acid, about 5 to about 40 ppm octanoic acid, about 4 to about 20 ppm hydrogen peroxide, about 5 to about 50 ppm peroxyacetic acid, about 2 to about 25 ppm peroxyoctanoic acid, and about 0.2 to about 2.5 ppm chelating agent.

32. (New) The aqueous flume for washing or transporting produce of claim 31, comprising about 133 ppm acetic acid, about 33 ppm octanoic acid, about 17 ppm hydrogen peroxide, about 40 ppm peroxyacetic acid, about 33 ppm peroxyoctanoic acid, and about 2 ppm chelating agent.

33. (New) The aqueous flume for washing or transporting produce of claim 31, comprising peroxyacetic acid and peroxyoctanoic acid at a weight ratio of about 4:1.

34. (New) The use composition of claim 3, comprising peroxyacetic acid and peroxyoctanoic acid at a weight ratio of about 4:1.

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